

Application Serial No. 10/039,411  
Amendment Dated August 21, 2003  
Reply to Office Action dated May 21, 2003

**In the Specification**

Replace the paragraph at page 15, line 4 with the following amended paragraph:

While the present invention has been illustrated by a description of various embodiments and while these embodiments have been described in considerable detail, it is not intended to restrict or in any way limit the scope of the appended claims to such detail. Additional advantages and modifications will readily appear to those skilled in the art. For example, the diagnostic monitor 60 of the present invention can be used with solenoids 48 that are either pneumatic cylinders or electric coils. Further, the diagnostic monitor 60 can be implemented in hardware or software using digital, analog or a combination of digital and analog devices. Further the input signals to the diagnostic monitor 60 may be digital, analog or a combination of digital and analog signals. For example, the P reference signal from the pattern controller 44 may be a digital signal, and the S signal from the conveyor motion sensor 74 may be an analog signal.